Index of the Key Words

Aberrant tissue bands 301
Acidosis, 73, 324
—, metabolic 73, 324
— —, D-lactic 324
— — —, in short bowel syndrome 324
— —, in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency 73
Aciduria 6, 32
—, organic 6, 32
— —, in familial progressive neurodegenerative disease 32
— —, methylmalonic 6
Adams-Stokes-attack 206
— — —, and QT-syndrome 206
Adenine phosphoribosyl transferase 346
— — —, in 2,8-dihydroxyadenine urolithiasis 346
Adenoviruses 271
—, protracted diarrhea 271
$^{A}\gamma$-globin 311
— —, developmental change 311
Alanine 28
—, in ketotic hypoglycemia 28
ALA-synthetase 130
—, deficiency 130
—, in sideroblastic anemia 130
Allergen-immunotherapy 92
— — and cellular immune response 92
Allergy 341
—, pollen 341
— —, IgE 341
— —, IgG 341
— —, immunotherapy 341
Allopurinol 346
—, in 2,8-dihydroxyadenine urolithiasis 346
Alpha-1-antitrypsin 83
—, deficiency 83
— —, in asthma 83
— —, in respiratory tract infections 83
Alpha-1-antitrypsin 53
— —, in prolonged jaundice 53
Alpha-1-fetoprotein 53
— —, in prolonged jaundice 53
Amino acids 354
— —, renal transport 354
— — — —, in cystinosis 354
Aminophylline 145
—, in sudden infant death syndrome 145
Ammonia 186
—, toxicity 186
— —, in mice 186
Amphotericin B 263
— —, in systemic aspergillosis 263
Androgens 241
—, growth disorders 241
Anemia 6, 130, 191
—, congenital microangiopathic hemolytic 191
—, megaloblastic 6
—, sideroblastic 130
Anomalies 338
—, facial and limb 338
— — —, in Cohen syndrome 338
Anticonvulsant bone disease 202
— — —, calcium metabolism 202
Antiepileptic drugs 202
— —, and bone disease 202
Antigens 59
Antibiotics 99
—, newborn sepsis 99
—, viral 59
— —, in Down's syndrome 59
Antibodies 91, 94
—, against diphtheria 91
—, against gliadin 94
— —, in celiac disease 94
Antidiuretic hormone 98
— —, regulation 98
Anti-sperm antibodies 23
Apnea 95
—, sleep 95
— —, and SIDS 95
ASD 95
—, echocardiography 95
Aspergillosis 263
—, cerebral 263
—, pulmonary 263
— —, therapy 263
Asthma bronchiale 83, 92
— —, combined IgA and alpha-1-antitrypsin defect 83
— —, lung function 92
Astroviruses 271
—, protracted diarrhea 271
Benzoate 186
—, in hyperammonemia 186
Bile acids 95
— —, in hepatitis 95
Biopterin 104, 110
—, biosynthesis 110
Biotin 351
—, in 3-methylcrotonyl-CoA carboxylase deficiency 351
Biopsy 23, 211
—, endomyocardial 211
—, testicular 23
Birth canal 166
— —, and streptococci group B 166
Bloodpicture 99
—, multivariate tolerance regions 99
Body proportions 38
— —, in growth hormone deficiency 38
Bone 38, 99, 162, 202
—, complications 162
— —, steriod-induced 162
— — — —, in nephrotic syndrome 162
—, disease 202
— —, anticonvulsant-drug induced 202
—, maturation 38
— —, in growth hormone deficiency 38
—, multivariate tolerance regions 99
Breast 49, 237
—, feeding 49
— —, and digoxin 49
—, milk 237
— —, copper 237
— —, zinc 237
Breath 304
—, CO_2 304
—, H_2 304
— —, in lactose malabsorption 304
Calcifications 67
—, punctate epiphyseal 67
Calcitonin 98, 202
—, anticonvulsant bone disease 202
—, in craniometaphyseal dysplasia 98
Calcium 98, 202
—, metabolism 98, 202
— —, anticonvulsant drug disease 202
— —, in chronic renal failure 98
Caliciviruses 271
—, protracted diarrhea 271
Campylobacter jejuni 277
—, colitis 277
Cardiomyopathy 282
—, hypertrophic 282
— —, in Noonan's syndrome 282
Cartilage 221
—, in pseudoachondroplasia 221
Cataracts 357
—, in Menkes syndrome 357
Catecholamines 99
—, metabolism 99
— —, in newborns 99
Celiac disease 4, 94, 250
— —, cell-mediated immunity 250
— —, gliadin-antibodies 94
— —, LIF-test 94
— —, monosymptomatic forms 4
Cerebral palsy 96
— —, diplegic 96
— — —, in preterm children 96
— — —, in term children 96
Chenodesoxycholic acid 53
— —, in prolonged jaundice 53
Chlamydia trachomatis 105
— —, and pneumonia 105
Choledochal cyst 193
— —, spontaneous perforation 193
Choledocho-pancreatic ductal junction 193
— — — —, anomalous 193
Cholestasis 53
—, in prolonged jaundice 53
Cholelithiasis 275
—, and carcinoma of gallbladder 275
Cholic acid 56
— —, in prolonged jaundice 56
Chondrodysplasia punctata 67
— —, and mesomelic dysplasia 67
Chromosome 3p duplication 195
— —, clinics 195
— —, cytogenetics 195
Chromosome 4 254
— —, partial 4q monosomy 254
Chronic renal failure 98
— — —, calcium metabolism 98
— — —, hypersulfatemia 98
Chylothorax 282
—, spontaneous 282
— —, in Noonan's syndrome 282
Cleft palate 301
— —, and multiple benign ring-shaped skin creases 301
Coagulation 46
—, disseminated intravascular 46
Cobalamins 6
— —, deficiency 6
— — —, in childhood 6
— — —, in infancy 6
Coenzymes 104
—, in atypical PKU 104
Cohen syndrome 338
Colitis 277
—, campylobacter jejuni 277
Complement system 91
— —, H-shuttle 91
Copper 237
—, infant nutrition 237
Cortisol 226
—, in hepatic glycogenoses 226
Cow's milk 94, 250
— —, allergy 94, 250
— —, proteins 94
Craniopharyngioma 38
—, and growth hormone deficiency 38
Creases 301
—, multiple benign ring-shaped skin 301

Index of the Key Words

Aberrant tissue bands 301
Acidosis, 73, 324
—, metabolic 73, 324
— —, D-lactic 324
— — —, in short bowel syndrome 324
— —, in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency 73
Aciduria 6, 32
—, organic 6, 32
— —, in familial progressive neurodegenerative disease 32
— —, methylmalonic 6
Adams-Stokes-attack 206
— — —, and QT-syndrome 206
Adenine phosphoribosyl transferase 346
— — —, in 2,8-dihydroxyadenine urolithiasis 346
Adenoviruses 271
—, protracted diarrhea 271
$^{A}\gamma$-globin 311
— —, developmental change 311
Alanine 28
—, in ketotic hypoglycemia 28
ALA-synthetase 130
—, deficiency 130
—, in sideroblastic anemia 130
Allergen-immunotherapy 92
— — and cellular immune response 92
Allergy 341
—, pollen 341
— —, IgE 341
— —, IgG 341
— —, immunotherapy 341
Allopurinol 346
—, in 2,8-dihydroxyadenine urolithiasis 346
Alpha-1-antitrypsin 83
—, deficiency 83
— —, in asthma 83
— —, in respiratory tract infections 83
Alpha-1-antitrypsin 53
— —, in prolonged jaundice 53
Alpha-1-fetoprotein 53
— —, in prolonged jaundice 53
Amino acids 354
— —, renal transport 354
— — — —, in cystinosis 354
Aminophylline 145
—, in sudden infant death syndrome 145
Ammonia 186
—, toxicity 186
— —, in mice 186
Amphotericin B 263
— —, in systemic aspergillosis 263
Androgens 241
—, growth disorders 241
Anemia 6, 130, 191
—, congenital microangiopathic hemolytic 191
—, megaloblastic 6
—, sideroblastic 130
Anomalies 338
—, facial and limb 338
— — —, in Cohen syndrome 338
Anticonvulsant bone disease 202
— — —, calcium metabolism 202
Antiepileptic drugs 202
— —, and bone disease 202
Antigens 59
Antibiotics 99
—, newborn sepsis 99
—, viral 59
— —, in Down's syndrome 59
Antibodies 91, 94
—, against diphtheria 91
—, against gliadin 94
— —, in celiac disease 94
Antidiuretic hormone 98
— —, regulation 98
Anti-sperm antibodies 23
Apnea 95
—, sleep 95
— —, and SIDS 95
ASD 95
—, echocardiography 95
Aspergillosis 263
—, cerebral 263
—, pulmonary 263
— —, therapy 263
Asthma bronchiale 83, 92
— —, combined IgA and alpha-1-antitrypsin defect 83
— —, lung function 92
Astroviruses 271
—, protracted diarrhea 271
Benzoate 186
—, in hyperammonemia 186
Bile acids 95
— —, in hepatitis 95
Biopterin 104, 110
—, biosynthesis 110
Biotin 351
—, in 3-methylcrotonyl-CoA carboxylase deficiency 351
Biopsy 23, 211
—, endomyocardial 211
—, testicular 23
Birth canal 166
— —, and streptococci group B 166
Bloodpicture 99
—, multivariate tolerance regions 99
Body proportions 38
— —, in growth hormone deficiency 38
Bone 38, 99, 162, 202
—, complications 162
— —, steriod-induced 162
— — — —, in nephrotic syndrome 162
—, disease 202
— —, anticonvulsant-drug induced 202
—, maturation 38
— —, in growth hormone deficiency 38
—, multivariate tolerance regions 99
Breast 49, 237
—, feeding 49
— —, and digoxin 49
—, milk 237
— —, copper 237
— —, zinc 237
Breath 304
—, CO_2 304
—, H_2 304
— —, in lactose malabsorption 304
Calcifications 67
—, punctate epiphyseal 67
Calcitonin 98, 202
—, anticonvulsant bone disease 202
—, in craniometaphyseal dysplasia 98
Calcium 98, 202
—, metabolism 98, 202
— —, anticonvulsant drug disease 202
— —, in chronic renal failure 98
Caliciviruses 271
—, protracted diarrhea 271
Campylobacter jejuni 277
—, colitis 277
Cardiomyopathy 282
—, hypertrophic 282
— —, in Noonan's syndrome 282
Cartilage 221
—, in pseudoachondroplasia 221
Cataracts 357
—, in Menkes syndrome 357
Catecholamines 99
—, metabolism 99
— —, in newborns 99
Celiac disease 4, 94, 250
— —, cell-mediated immunity 250
— —, gliadin-antibodies 94
— —, LIF-test 94
— —, monosymptomatic forms 4
Cerebral palsy 96
— —, diplegic 96
— — —, in preterm children 96
— — —, in term children 96
Chenodesoxycholic acid 53
— —, in prolonged jaundice 53
Chlamydia trachomatis 105
— —, and pneumonia 105
Choledochal cyst 193
— —, spontaneous perforation 193
Choledocho-pancreatic ductal junction 193
— — — —, anomalous 193
Cholestasis 53
—, in prolonged jaundice 53
Cholelithiasis 275
—, and carcinoma of gallbladder 275
Cholic acid 56
— —, in prolonged jaundice 56
Chondrodysplasia punctata 67
— —, and mesomelic dysplasia 67
Chromosome 3p duplication 195
— —, clinics 195
— —, cytogenetics 195
Chromosome 4 254
— —, partial 4q monosomy 254
Chronic renal failure 98
— — —, calcium metabolism 98
— — —, hypersulfatemia 98
Chylothorax 282
—, spontaneous 282
— —, in Noonan's syndrome 282
Cleft palate 301
— —, and multiple benign ring-shaped skin creases 301
Coagulation 46
—, disseminated intravascular 46
Cobalamins 6
— —, deficiency 6
— — —, in childhood 6
— — —, in infancy 6
Coenzymes 104
—, in atypical PKU 104
Cohen syndrome 338
Colitis 277
—, campylobacter jejuni 277
Complement system 91
— —, H-shuttle 91
Copper 237
—, infant nutrition 237
Cortisol 226
—, in hepatic glycogenoses 226
Cow's milk 94, 250
— —, allergy 94, 250
— —, proteins 94
Craniopharyngioma 38
—, and growth hormone deficiency 38
Creases 301
—, multiple benign ring-shaped skin 301

— — — — — —, autosomal dominant inheritance 301
— — — — — —, neuroblastoma 301
— — — — — —, cleft palate 301
Creatine kinase 280
— —, in hypocalcemic myopathy 280
Cryptorchidism 26
—, in the pig 26
CT scan 154
— —, in herpes simplex encephalitis 154
Cyclosporin A 95
— —, metabolic effects in rats 95
Cystic fibrosis 94, 172, 327
— —, fusidic acid 172
— —, and mitochondria 94
— —, physical exercise 94
— —, thyroid function 327
Cystinosis 354
—, adolescent 354
— —, renal function 354
Cytostasis 231
—, and hemodialysis 231

Decompensation 63
—, initial metabolic 63
— — —, in diabetes mellitus type I 63
Desferrioxamine 92
—, in hemosiderosis 92
Diarrhea 271
—, protracted 271
— —, in immunodeficiency 271
— —, in viral diseases 271
Diabetes mellitus 63, 120
— —, type I 63
— — — —, duration of remission 63
— — — —, HbA_{1c} 63
— — — —, initial metabolic decompensation 63
— —, and spondyloepiphyseal dysplasia 120
Digoxin 49
—, translactal passage 49
2,8-dihydroxyadenine 346
— —, urolithiasis 346
24,25-Dihydroxyvitamin D 162
— —, in steroid-treated nephrotic syndrome 162
Dihydropteridine 110
—, reductase deficiency 110
Dipeptides 97
—, transport 97
— — in fibroblasts 97
Diphtheria 91
—, natural antibodies 91
Disruption complex 301
Dopamine 104
—, in atypical PKU 104
Down's syndrome 59, 80
— —, antiviral immunity 59
— —, mirror duplication 80
— —, viral antigens 59
D-Penicillamine 199
—, in retrolental fibroplasia 199
Duchenne's muscular dystrophy 17
— — —, carrier detection 17
— — —, genetics 17
— — —, management 17
— — —, newborn screening 17
— — —, prenatal diagnosis 17
Ductus arteriosus 56, 151
— —, patent 56, 151
— — —, indomethacin 56, 151
— — — —, and retrolental fibroplasia 56
Dysmorphia 195
—, in chromosome 3p duplication 195
Dystrophy 17
—, Duchenne's muscular 17
Dysplasia 67, 98, 120
—, craniometaphyseal 98
— —, calcitonin 98
—, mesomelic 67
— —, and punctate epiphyseal calcifications 67
—, spondyloepiphyseal 120
— —, and diabetes mellitus 120

Echocardiography 95
—, septal defects 95
EEG 154
—, in herpes simplex encephalitis 154
Electron microscopy 179
— —, in lysosomal disorders 179
Emphysema 258
—, progressive interstitial pulmonary lobar 258
—, interstitial 258
Embryology 77
—, of Holt Oram syndrome 77
—, of thalidomide embryopathy 77
—, of upper limb defects 77
Encephalitis 154
—, due to herpes simplex 154
— — —, early diagnosis 154
Exchange transfusion 295
— —, in MSUD 293

Fasting 141
—, fuel metabolism 141
Fat-derived fuels 141
— — —, in fasting 141
Fetal circulation 321
— —, persistent 321
— — —, in lithium intoxication 321
Fibrin-fibrinogen degradation products 46
— — — —, in DIC 46
Fibrinogenolysis 46
—, in DIC 46
Fibrinolysis 46
—, in DIC 46
Fibroblasts 97
—, dipeptide transport 97
Fibroplasia 56, 199
—, retrolental 56, 199
— —, D-penicillamine 199
— —, indomethacin 56
5-Fluorocytosine 263
— —, in systemic aspergillosis 263
Fluoxymesterone 241
—, growth disorders 241
Folates 6
Free fatty acids 141
— — —, in fasting 141
Fuel metabolism 141
— —, in fasting 141
Fusidic acid 172
—, sputum penetration 172
— — —, in cystic fibrosis 172

Gallbladder 275
—, carcinoma 275
German children 304
— —, lactose absorption 304
— — —, malabsorption 304
$^{G}\gamma$ globin 311
— —, developmental change 311
Gliadin 94
—, antibodies 94
Globulin 327
—, thyroxine binding 327
— — —, in cystic fibrosis 327
Glucagon 226
—, in hepatic glycogenoses 226
Glucose 141
— —, in fasting 141
Glutathione peroxidase 138
— —, in selenium deficiency 138
Glutathione-S-transferase 138
— —, in selenium deficiency 138
Glycogen 97
—, storage disease type II 97
Glycogenoses 226
—, hepatic 226
— —, endocrine changes 226
Goiter 82, 98
—, and chronic lymphocytic thyroiditis 98
—, iodine-induced 82
—, after lipiodol lymphography 82
Growth 38, 120, 226, 241
—, deficiency 120
— —, in Wolcott-Rallison syndrome 120
—, disorders 241
—, in hepatic glycogenoses 226
—, hormone 38, 226
— —, deficiency 38
— — —, hGH treatment 38
— — —, in hepatic glycogenoses 226
—, velocity 38
GTP cyclohydrolase 97
— —, deficiency 97
— — —, and hyperphenylalaninemia 97

HbA_{1c} 63
—, in diabetes mellitus type I 63
Head shape 38
— —, in growth hormone deficiency 38
Heart 77, 195
—, malformation 77, 195
— —, in chromosome 3p duplication 195
— —, in Holt Oram syndrome 77
Hemodialysis 231
—, in nephroblastomatosis 231
— —, and cytostatic therapy 231
Hemoglobin 93
—, fetal 93
— —, formation 93
Hemoglobin F 311
Hemosiderosis 92
—, subcutaneous desferrioxamine infusions 92
Hepatitis 95
—, total serum bile acids 95
Herpes simplex 154
—, encephalitis 154
HLA-system 187
— —, and SSPE 187
Holt Oram syndrome 77
— — —, embryology 77
— — —, and thalidomide embryopathy 77
Homocystinuria 6
H-shuttle 91
—, and complement system 91
3-Hydroxyisovaleric acid 351
3-Hydroxy-3-methylglutaryl-CoA lyase deficiency 73
— — —, and macrocephaly 73
25-Hydroxyvitamin D 162
—, in steroid-treated nephrotic syndrome 162
Hyperammonemia 186
—, in mice 186
— —, and benzoate 186
Hypercalciuria 88
—, "idiopathic" 88

Hypereosinophilia 85
—, and ALL 85
Hyperphenylalaninemia 97, 104, 110
—, and coenzymes 104
—, and defective biopterin metabolism 110
—, in neopterin deficiency 97
Hyperprolactinemia 216
—, in ALL 216
Hypersulfatemia 98
—, in chronic renal failure 98
Hyperthyroidism 176
—, prolactin 176
—, TRH 176
Hypoalaninemia 28
—, in ketotic hypoglycemia 28
Hypocalcemia 280
—, and myopathy 280
Hypoglycemia 28
—, ketotic 28
Hypogonadism 216
—, hypergonadotropic 216
— —, in ALL 216
Hypomyelination 265
—, congenital 265
Hypoparathyroidism 280
—, idiopathic 280
— —, myopathy 280
Hypopituitarism 38, 241
—, and hGH treatment 38
—, growth hormone 241
Hypophosphatasia 197
—, in newborns 197
Hypothyroidism 82
—, iodine-induced 82
—, after lipiodol lymphography 82

IgA 83
—, deficiency 83
— —, in asthma 83
— —, in respiratory tract infections 83
IgG 93
—, platelet associated 93
— — —, in thrombocytopenia 93
Immune response 92
— —, in allergen-immunotherapy 92
Immunity 59, 250
—, antiviral 59
— —, in Down's syndrome 59
—, in celiac disease 250
Immunocomplexes 349
—, in myasthenia 349
Immunodeficiency 271
—, protracted diarrhea 271
Immunoglobulin 91
—, polyclonal reconstitution in mice 91
Immunosuppression 263
—, in ALL 263
— — —, systemic aspergillosis 263
Immunotherapy 341
—, in pollen allergy 341
Indomethacin 56, 151
—, in patent ductus arteriosus 56, 151
— — — —, and retrolental fibroplasia 56
Infants 6, 53, 105
—, breast-fed 53
— — —, prolonged jaundice 53
—, chlamydial pneumonia 105
—, cobalamin deficiency 6
Infections 83, 271
—, severe respiratory tract 83
— — — —, combined IgA and alpha-1-antitrypsin deficiency 83
—, viral 271
— —, protracted diarrhea 271
Infertility 26
—, after orchidopexy 26
— — —, in pigs 26
Insulin 226, 345
—, in hepatic glycogenoses 226
—, low-dose continuous infusion 345
— — — — —, in neonatal ketoacidosis 345
Interferon 187
—, in SSPE 187
Iodine 82
—, and goiter 82
—, and hypothyroidism 82

Jaundice 53
—, prolonged 53
— —, in breast-fed infants 53
— — — — —, alpha-1-antitrypsin 53
— — — — —, alpha-1-fetoprotein 53
— — — — —, chenodesoxycholic acid 53
— — — — —, cholestasis 53
— — — — —, cholic acid 53

Kanamycin 324
—, lactobacillus-induced D-lactic acidosis 324
Ketoacidosis 345
—, neonatal 345
— —, low-dose continuous infusion 345
Ketones 141
—, in fasting 141
Kidney 99
—, multivariate tolerance regions 99

Lactobacillus 324
—, in short bowel syndrome 324
Lactose 304
—, absorption 304
—, malabsorption 304
— —, breath CO_2 304
— —, breath H_2 304
Lesions 26
—, testicular 26
— —, following orchidopexy 26
Leukemia 85, 92, 93, 216
—, acute lymphoblastic 85, 92, 216
— — —, and hypereosinophilia 85
— — —, hypergonadotropic hypogonadism 216
— — —, hyperprolactinemia 216
— — —, sex-hormone binding globulin deficiency 216
— — —, tumor cell burden 92
—, multiple marker analysis 93
LIF-test 94
— —, in celiac disease 94
Lipiodol 82
—, in lymphography 82
Lithium 321
—, intoxication 321
— —, in newborns 321
Liver 113
—, in newborns 113
— —, abscess 113
— —, circulation 113
—, necrosis 113
Long common channel 193
— — —, and choledochal cyst 193
Lymphangiectasia 282
—, pulmonary 282
— —, chylothorax 282
Lymphocytes 179
—, lysosomal disorders 179
Lymphography 82
—, and goiter 82
—, and hypothyroidism 82

Lysosomes 179
—, disorders 179

Macrocephaly 73
—, in 3-hydroxy-3-methylglutaryl-CoA lyase deficiency 73
Macrophages 271
—, in protracted diarrhea 271
Malabsorption 304
—, of lactose 304
—, breath CO_2 304
—, breath H_2 304
Malformations 273
—, in trisomy 4p syndrome 273
Maple syrup urine disease 293
— — — —, exchange transfusion 293
Marker 93
—, in leukemia 93
Membranes 93
—, and phagocytosis 93
Menkes syndrome 357
— —, and cataracts 357
Mental retardation 195
— —, in chromosome 3p duplication 195
Metabolic disorders 179
— —, electron microscopy 179
3-Methylcrotonyl-CoA carboxylase 351
— — —, deficiency 351
— — — —, and biotin 351
3-Methylcrotonylglycine 351
Migraine 96
—, classical 96
— —, evoked potentials 96
Mitochondria 94
—, in cystic fibrosis 94
Mothers 166
—, parturient 166
— —, and group B streptococci 166
Mucopolysaccharidosis 168
—, variant of type III 168
Myasthenia 349
—, congenital 349
—, infantile 349
— —, immunocomplexes 349
Myelin sheath 265
— —, hypomyelination 265
Myocardial diseases 211
— —, endomyocardial biopsy 211
Myopathy 280
—, hypocalcemic 280
— —, in idiopathic hypoparathyroidism 280

N-acetylglucosamine-6-sulfate sulfatase 168
— — —, deficiency 168
— — — —, in Sanfilippo-D disease 168
Neopterin 97, 110
—, biosynthesis 110
—, deficiency 97
— —, and hyperphenylalaninemia 97
Nephroblastomatosis 231
—, bilateral 231
— —, cytostatic therapy 231
— —, hemodialysis 231
Nephrotic syndrome 162
— —, steroid medication 162
— — — —, vitamin D 162
Neuroblastoma 301
—, and multiple benign ring-shaped skin creases 301
Neurofibromatosis 91
—, tumor rate 91
Neurometabolic disease 32
— —, familial progressive 32
— — — —, 2-oxoglutaric aciduria 32

Neuropathy 265
—, in congenital hypomyelination 265
Neurotransmitters 104
—, in atypical PKU 104
Newborns 17, 99, 113, 166, 197, 293, 297, 321, 331, 345
—, catecholamine metabolism 99
—, diabetic ketoacidosis 345
— — —, insulin treatment 345
—, hypophosphatasia 197
—, lithium intoxication 197
—, liver necrosis 113
—, MSUD 293
— — — — —, exchange transfusion 293
—, respiratory distress syndrome 297
— —, intraesophageal pressure 297
—, screening for Duchenne's disease 17
—, septicemia 99, 331
— —, antibiotic therapy 99
—, streptococci group B 166
Noonan's syndrome 282
— —, cardiomyopathy 282
— —, chylothorax 282
Nutrition 237
—, infants 237
— —, copper 237
— —, zinc 237

Orchidopexy 26
—, and fertility 26
Oto-onycho-peroneal syndrome 317
2-Oxoglutarate dehydrogenase 32
— —, deficiency 32

Panencephalitis 187
—, subacute sclerosing 187
Partial 4q monosomy 254
— — —, chromosomal analysis 254
Passage 49
—, translactal 49
— —, of digoxin 49
Pertussis 105
—, -like pneumonia 105
Phagocytosis 93
—, membrane properties 93
Pharmacokinetics 49
—, translactal passage of digoxin 49
Phenylalanine 97, 110
—, in defective biopterin metabolism 110
—, load 97
— —, deuterated phe 97
Phenylketonuria 104, 110
—, atypical 104, 110
— —, biopterin metabolism 104, 110
— —, therapy 104, 110
Phosphatase 197
—, alkaline 197
—, in hypophosphatasia 197
Phosphatidylglycerol 96
—, surfactant 96
Phosphoethanolamine 197
—, in hypophosphatasia 197
Plasma 191
—, infusions 191
— —, in congenital microangiopathic hemolytic anemia 191
Pneumonia 105
—, in infants 105
— —, afebrile 105
— —, eosinophilic 105
— —, interstitial 105
— —, pertussoid 105
Pollen 341
—, allergy 341

Polyarthritis 315
—, systemic juvenile chronic 315
Polycystic renal disease 231
— — —, differentiation diagnosis 231
Potentials 96
—, evoked 96
— —, in classical migraine 96
Prealbumin 327
—, thyroxine binding 327
— — —, in cystic fibrosis 327
PRL 99
—, and TRH 99
Prematures 56, 151, 199, 297
—, patent ductus arteriosus 56, 151
— — — —, indomethacin 151
— — — —, retrolental fibroplasia 56
—, respiratory distress syndrome 297
— — — —, intraesophageal pressure 297
—, retrolental fibroplasia 199
— — —, D-penicillamine 199
Prenatal diagnosis 17
— —, of Duchenne's disease 17
Pressure 297
—, intraesophageal 297
— —, in respiratory distress syndrome 297
Prolactin 176
—, in hyperthyroidism 176
—, in Turner's syndrome 176
Proline 197
—, in hypophosphatasia 197
Proteoglycan 221
—, and pseudoachondroplasia 221
Pseudoachondroplasia 221
Puberty 136
—, in males 136
— —, T_3 concentration 136
— —, T_4 concentration 136
— —, TBG concentration 136
Pulmonary function 315
— —, in systemic juvenile chronic polyarthritis 315
Pulmonary hypertension 321
— —, persistent 321
— — —, in lithium intoxication 321

QT interval 145
— —, in sudden infant death syndrome 145
QT-syndrome 206

Relapser 162
—, of nephrotic syndrome 162
Remission 63
—, duration 63
— —, in diabetes mellitus type I 63
Renal failure 346
— —, in urolithiasis 346
Renal function 354
— —, in cystinosis 354
Renal morphology 354
— —, in cystinosis 354
Respiration 145
—, in sudden infant death syndrome 145
Respiratory distress syndrome 96, 258, 297
— — —, in newborns 96, 258, 297
— — —, in prematures 297
— — — —, intraesophageal pressure 297
— — —, surfactant phosphatidylglycerol 96
Retardation 338
—, mental 338
— —, in Cohen syndrome 338
Ring constrictions 301
—, congenital 301
Rotavirus 271
—, protracted diarrhea 271

Sanfilippo D disease 168
Screening 17
—, in newborns 17
— —, for Duchenne's disease 17
Selenium 138
—, deficiency 138
— —, supplementation 138
— — —, glutathione peroxidase 138
Sepiapterin 110
—, biosynthesis 110
Septicemia 99, 331
—, in newborns 99, 331
—, clinical symptoms 331
—, diagnosis, differentiation diagnosis 331
—, hematology 331
—, sepsis score 331
Serotonine 104, 110
—, in atypical PKU 104, 110
Sex-hormone binding globulin 216
— — — —, deficiency 216
— — — — —, in ALL 216
Short bowel syndrome 324
— — —, D-lactic acidosis 324
— — —, fecal flora 324
— — —, Kanamycin 324
Short stature 338
— —, in Cohen syndrome 338
Skinfold thickness 38
— —, in growth hormone deficiency 38
Sleep apnea 145
— —, in sudden infant death syndrome 145
Sodium nitroprusside 307
— —, in VSD 307
Somatomedins 226
—, in hepatic glycogenoses 226
Somatotropin 241
—, growth disorders 241
Sperm 23
—, quality 23
Sputum 172
—, penetration of fusidic acid 172
Streptococci 166
—, group B hemolytic 166
— — —, in mothers 166
— — —, in newborns 166
Sudden infant death syndrome 95, 145
— — — —, respiratory control 145
Surfactant 96
—, and respiratory distress 96
Syndromes 59, 77, 80, 95, 96, 98, 120, 145, 176, 195, 206, 254, 258, 273, 282, 297, 301, 317, 324, 338, 357
—, amniotic band 301
—, Cohen 338
—, Down's 59, 80
—, Holt Oram 77
—, malformation 195
— —, in chromosome 3 duplication 195
—, Menkes 357
—, Noonan's 282
—, oto-onycho-peroneal 317
—, partial 4q monosomy 254
—, QT 206
—, respiratory distress 96, 258, 297
—, short bowel 324
—, sudden infant death 95, 145
—, thalidomide 77
—, trisomy 4p 273
—, Turner's 98, 176
—, upper limb defect 77
—, Wolcott-Rallison 120

Tachyarrhythmia 206
—, ventricular 206

TBG 136
—, in male puberty 136
Tetrahydrobiopterin 104, 110
—, in therapy of atypical PKU 110
Thalidomide syndrome 77
— —, embryology 77
Thrombocytopenia 93
—, platelet associated IgG 93
Thyroid hormones 327
— —, in cystic fibrosis 327
Thyroiditis 98
—, chronic lymphocytic 98
— — —, in goiter 98
— — —, in Turner's syndrome 98
Thyroxine 136
—, in male puberty 136
Tidal volume 96
— —, measuring 96
— — —, in artificial ventilation 96
Translocation 80, 195
—, chromosomes 3 and 6 195
—, in Down's syndrome 80
TRH 176
—, in hyperthyroidism 176
—, in Turner's syndrome 176
TRH 99
—, PRL and TSH secretion 99
TRH test-iodides 327
— — —, in cystic fibrosis 327
Triiodothyronine 136
—, in male puberty 136
Trisomy 4 273
— —, partial 273
Tromethamine 113
—, and neonatal liver necrosis 113
TSH 99
—, and TRH 99
TSH 327
—, in cystic fibrosis 327
Turner's syndrome 98, 176
— —, and chronic lymphocytic thyroiditis 98
— —, prolactin 176
— —, TRH 176

Umbilical veins 113
— —, and neonatal liver necrosis 113
Upper limb defect 77
— — —, embryology 77
Urolithiasis 346
—, 2,8-dihydroxyadenine 346
—, adenine phosphoribosyl transferase 346

Vasodilator therapy 307
Ventilation 96
—, artificial 96
— —, tidal volume measuring 96
Ventricular septal defect 95, 307
— — —, and sodium nitroprusside 307
— — —, echocardiography 95
Very low birth weight infants 199
— — — — —, retrolental fibroplasia 199
— — — — — — —, D-penicillamine 199
Vitamin B_6 136
— —, metabolism 136
— —, in sideroblastic anemia 136
Vitamin B_{12} 6
— —, deficiency 6
Vitamin D 202
— —, metabolism 202
— — —, anticonvulsant drug disease 202

Wolcott-Rallison syndrome 120

Zinc 237
—, infant nutrition 237

Contents

Wiedemann, H.-R., Eeckels, R.: To Our Readers 1
Eeckels, R., s. Wiedemann, H.-R. 1

Important Note to Subscribers 2

The Pioneers of Pediatric Medicine 3, 103, 201, 287

Editorials

Bickel, H.: Coenzyme Deficiency in Atypical Phenylketonuria 104

Rossi, E.: Monosymptomatic Forms of Celiac Disease 4

Reviews

Burgio, G. R., Ugazio, A. G.: Immunodeficiency and Syndromes: A Nosographic Approach 288

Linnell, J. C., s. Matthews, D. M. 6

Matthews, D. M., Linnell, J. C.: Cobalamin Deficiency and Related Disorders in Infancy and Childhood 6

Rossi, E., s. Schaad, U. B. 105

Schaad, U. B., Rossi, E.: Infantile Chlamydial Pneumonia—A Review Based on 115 Cases 105

Ugazio, A. G., s. Burgio, G. R. 288

Personal Column

Ionasescu, V., s. Zellweger, H., et al. 17

Simpson, J., s. Zellweger, H., et al. 17

Zellweger, H., Simpson, J., Ionasescu, V.: Twenty Years-Iowa Muscle Clinic: Reminiscences and Prospects 17

Annotations

Hjort, T., Linnet, L., Skakkebaek, N. E.: Testicular Biopsy: Indications and Complications 23

Kruse, K.: On the Pathogenesis of Anticonvulsant-Drug-Induced Alterations of Calcium Metabolism 202

Linnet, L., s. Hjort, T., et al. 23

Skakkebaek, N. E., s. Hjort, T., et al. 23

Original Investigations

Abe, K., Matsuura, N., Fukushima N., Nohara, Y., Fujita, H., Kato, T., Endo, M.: Prolactin Response to Thyrotropin-Releasing Hormone in Children with Turner's Syndrome and Hyperthyroidism 176
Ala-Houhala, M., s. Finni, K., et al. 53
Albani, M., s. Kohlschütter, A., et al. 32
Altman, Y., s. Ashkenazi, A., et al. 250
Apitz, J., s. Schmaltz, A. A., et al. 211
Ashkenazi, A., Levin, S., Idar, D., Handzel Z. T., Altman, Y., Or, A., Barzilai, N.: Cellular Immunity in Children with Coeliac Disease 250
Attenberger, H., s. Jensen, M., et al. 311

Balzar, E., s. Pichler, E., et al. 231
Bar-On, Z., s. Sack, J., et al. 136
Barzilai, N., s. Ashkenazi, A., et al. 250
Beck, W., Schwarz, S., Heidemann P. H., Jentsch, E., Stubbe, P., König, A.: Hypergonadotropic Hypogonadism, SHBG Deficiency and Hyperprolactinaemia: A Transient Phenomenon During Induction Chemotherapy in Leukemic Children 216
Becker, R., s. Sack, J., et al. 136
Behbehani, A., s. Kohlschütter, A., et al. 32
Behrens, A., s. Flatz, G., et al. 304
Benno, Y., s. Satoh, T., et al. 324
Benvenga, S., s. De Luca, F., et al. 327
Bernsau, I., s. Flatz, G., et al. 304
Bernsau, U., s. Bernuth, G. von, et al. 206
Bernuth, G. von, Bernsau, U., Gutheil, H., Hoffmann, W., Huschke, U., Jüngst, B.-K., Kallfelz, H. C., Lang, D., Sandhage, K., Schmaltz, A. A., Schmidt-Redemann, B., Weber, H., Weiner, C.: Tachyarrhythmic Syncopes in Children with Structurally Normal Hearts with and Without QT-Prolongation in the Electrocardiogram 206
Blumenfeld, Z., s. Naor, N., et al. 166
Blystad, W., s. Lindemann, R., et al. 56
Bojasch, M., s. Leupold, D., et al. 73
Borrone, C., s. Gatti, R., et al. 168
Bremer, H. J., s. Steiner, G., et al. 138
Bremer, H. J., s. Wendel, U., et al. 293
Bürsch, J. H.: Comment on Invitation 310
Burck, U.: Mesomelic Dysplasia with Punctate Epiphyseal Calcifications—a New Entity of Chondrodysplasia Punctata? 67
Burck, U., s. Ikeda, K., et al. 179

Cao, A., s. Gatti, R., et al. 168
Carswell, F., s. Zaglul, H., et al. 315
Costante, G., s. De Luca, F., et al. 327
Curtius, H.-Ch., s. Niederwieser, A., et al. 110
Czembirek, H., s. Pichler, E., et al. 231

Dán, P., s. Fekete, G., et al. 59
De Luca, F., Trimarchi, F., Sferlazzas, C., Benvenga, S., Costante, G., Mami, C., Di Pasquale, G., Magazzu, G.: Thyroid Function in Children with Cystic Fibrosis 327
De Virgilis, S., s. Gatti, R., et al. 168
Devlieger, H., Snoeys, R., Wyndaele, L., Jaeken, J., Goddeeris, P., Moerman, Ph., Lauweryns, J., Eggermont, E.: Liver Necrosis in the New-Born Infant: Analysis of Some Precipitating Factors in Neonatal Care 113
Di Pasquale, G., s. De Luca, F., et al. 327
Dobos, M., s. Fekete, G., et al. 59
Dunger, D. B., Holder, A. T., Leonard, J. V., Okae, J., Preece, M. A.: Growth and Endocrine Changes in the Hepatic Glycogenoses 226
Durand, P., s. Gatti, R., et al. 168

Egge, K., s. Lindemann, R., et al. 56
Eggermont, E., s. Devlieger, H., et al. 113
Endo, M., s. Abe, K., et al. 176

Fekete, G., Kulcsár, G., Nász, I., Schuler, D., Dobos, M.: Immunological and Virological Investigations in Down's Syndrome 59
Fernandez, F., s. Sorgo, W., et al. 38
Figura, K. von, s. Gatti, R., et al. 168
Filtenborg, J. A.: Persistent Pulmonary Hypertension After Lithium Intoxication in the Newborn 321
Finni, K., Similä, S., Koivisto, M., Heikura, S., Ala-Houhala, M.: Cholic Acid, Chenodeoxycholic Acid, Alpha-1-Fetoprotein and Alpha-1-Antitrypsin Serum Concentrations in Breast-Fed Infants with Prolonged Jaundice 53
Flatz, G., Bernsau, I., Behrens, A.: Lactose Absorption and Malabsorption in Healthy Children: Improved Phenotypic Resolution by Simultaneous Determination of Breath Hydrogen and Carbon Dioxide 304
Frankenhuis, M. T., Wiegerinck, M. A. H. M., Schoorl, M., Kremer, J., Wensing, C. J. G.: The Prevention of Orchiopexy-induced Testicular Lesions in the Pig 26
Fujita, H., s. Abe, K., et al. 176
Fujiyama, J., s. Satoh, T., et al. 324
Fukushima, N., s. Abe, K., et al. 176

Gatti, R., Borrone, C., Durand, P., De Virgilis, S., Sanna, G., Cao, A., Figura, K. von, Kresse, H., Paschke, E.: Sanfilippo Type D Disease: Clinical Findings in Two Patients with a New Variant of Mucopolysaccharidosis III 168
Genz, T., s. Reinhardt, D., et al. 49
Goddeeris, P., s. Devlieger, H., et al. 113
Goebel, H. H., s. Ikeda, K., et al. 179
Goecke, T., Majewski, F., Kauther, K. D., Sterzel, U.: Mental Retardation, Hypotonia, Obesity, Ocular, Facial, Dental,

and Limb Abnormalities (Cohen Syndrome). Report of Three Patients . . . 338
Gutheil, H., s. Bernuth, G. von, et al. . . . 206
Haidmayer, R., Pfeiffer, K. P., Kenner, T., Kurz, R.: Statistical Evaluation of Respiratory Control in Infants to Assess Possible Risk for the Sudden Infant Death Syndrome (SIDS) 145
Hamel, B. C. J., Schretlen, E. D. A. M.: Sideroblastic Anaemia. A Review of Seven Paediatric Cases . . . 130
Handzel, Z. T., s. Ashkenazi, A., et al. . . . 250
Harden, A., s. Schauseil-Zipf, U., et al. . . . 154
Hayasaka, K., s. Satoh, T., et al. . . . 324
Heidemann, P., s. Kohlschütter, A., et al. . . . 32
Heidemann, P. H., s. Beck, W., et al. . . . 216
Heikura, S., s. Finni, K., et al. . . . 53
Heinze, E., s. Vetter, U., et al. . . . 63
Higashi, A., Ikeda, T., Uehara, I., Matsuda, I.: Effect of Low-content Zinc and Copper Formula on Infant Nutrition . . 237
Hoare, R. D., s. Schauseil-Zipf, U., et al. . . . 154
Hoffmann, G., s. Kohlschütter, A., et al. . . . 32
Hoffmann, W., s. Bernuth, G. von, et al. . . . 206
Holder, A. T., s. Dunger, D. B., et al. . . . 226
Hort, W., s. Schmaltz, A. A., et al. . . . 211
Huschke, U., s. Bernuth, G. von, et al. . . . 206
Idar, D., s. Ashkenazi, A., et al. . . . 250
Ikeda, K., Goebel, H. H., Burck, U., Kohlschütter, A.: Ultrastructural Pathology of Human Lymphocytes in Lysosomal Disorders: a Contribution to Their Morphological Diagnosis . . . 179
Ikeda, T., s. Higashi, A., et al. . . . 237
Imbeck, H., s. Mrongovius, R., et al. . . . 151
Ishibashi, M., s. Satoh, T., et al. . . . 324
Jakobs, C., s. Leupold, D., et al. . . . 73
Jaeken, J., s. Devlieger, H., et al. . . . 113
Jensen, M., Attenberger, H., Schneider, Ch., Walther, J.-U.: The Developmental Change in the $^{G}\gamma$ and $^{A}\gamma$ Globin Proportions in Hemoglobin F . . . 311
Jentsch, E., s. Beck, W., et al. . . . 216
Jüngst, B.-K., s. Bernuth, G. von, et al. . . . 206
Jürgenssen, O. A., s. Pichler, E., et al. . . . 231
Kallfelz, H. C., s. Bernuth, G. von, et al. . . . 206
Kano, K., Suda, T.: Serum 25 (OH) D and 24, 25 $(OH)_2$ D Levels in Childhood Nephrosis Under Different Therapeutic Regimens of Steroid Administration . . . 162
Kato, T., s. Abe, K., et al. . . . 176
Katoh, T., s. Satoh, T., et al. . . . 324
Kauther, K. D., s. Goecke, T., et al. . . . 338
Kenner, T., s. Haidmayer, R., et al. . . . 145
Kero, P. O., s. Korvenranta, H. J., et al. . . . 297
Kleihauer, E., s. Vetter, U., et al. . . . 63
Kleineke, J., s. Kohlschütter, A., et al. . . . 32
König, A., s. Beck W., et al. . . . 216
Kohlschütter, A., Behbehani, A., Langenbeck, U., Albani, M., Heidemann, P., Hoffmann, G., Kleineke, J., Lehnert, W., Wendel, U.: A Familial Progressive Neurodegenerative Disease with 2-Oxoglutaric Aciduria . . . 32
Kohlschütter, A., s. Ikeda, K., et al. . . . 179
Kohne, E., s. Vetter, U., et al. . . . 63
Koivisto, M., s. Finni, K., et al. . . . 53
Konno, T., s. Satoh, T., et al. . . . 324
Korvenranta, H. J., Kero, P. O., Välimäki, I. A. T.: Intraesophageal Pressure Monitoring and the Severity of Respiratory Distress Syndrome . . . 297
Kraemer, R., Schaad, U. B., Lebek, G., Rüdeberg, A., Rossi, E.: Sputum Penetration of Fusidic Acid in Patients with Cystic Fibrosis . . . 172
Kremer, J., s. Frankenhuis, M. T., et al. . . . 26
Kresse, H., s. Gatti, R., et al. . . . 168
Kulcsár, G., s. Fekete, G., et al. . . . 59
Kunze, J., Riehm, H.: A New Genetic Disorder: Autosomal-dominant Multiple Benign Ring-shaped Skin Creases . . . 301
Kurz, R., s. Haidmayer, R., et al. . . . 145
Lang, D., s. Bernuth, G. von, et al. . . . 206
Langenbeck, U., s. Kohlschütter, A., et al. . . . 32
Langenbeck, U., s. Wendel, U., et al. . . . 293
Lauweryns, J., s. Devlieger, H., et al. . . . 113
Lebek, G., s. Kraemer, R., et al. . . . 172
Lehnert, W., s. Kohlschütter, A., et al. . . . 32
Leisti, S., s. Lenko, H. L., et al. . . . 241
Lenko, H. L., Leisti, S., Perheentupa, J.: The Efficacy of Growth Hormone in Different Types of Growth Failure. An Analysis of 101 Cases . . . 241
Leonard, J. V., s. Dunger, D. B., et al. . . . 226
Leupold, D., Bojasch, M., Jakobs, C.: 3-Hydroxy-3-Methylglutaryl-CoA Lyase Deficiency in an Infant with Macrocephaly and Mild Metabolic Acidosis . . . 73
Leupold, D., s. Niederwieser, A., et al. . . . 110
Levin, S., Ashkenazi, A., et al. . . . 250
Lindemann, R., Blystad, W., Egge, K.: Retrolental Fibroplasia in Premature Infants with Patent Ductus Arteriosus Treated with Indomethacin . . . 56
Lingam, S., s. Schauseil-Zipf, U., et al. . . . 154
Lombeck, I., s. Steiner, G., et al. . . . 138
Lombeck, I., s. Wendel, U., et al. . . . 293
Lyen, K. R., s. Schauseil-Zipf, U., et al. . . . 154
Maasch, H. J., s. Rebien, W., et al. . . . 341
Magazzu, G., s. De Luca, F., et al. . . . 327
Majewski, F., s. Goecke, T., et al. . . . 338
Maki, S., s. Yoshioka, K., et al. . . . 46
Mami, C., s. De Luca, F., et al. . . . 327
Maroteaux, P., s. Stanescu, V., et al. . . . 221
Marshall, W. C., s. Schauseil-Zipf, U., et al. . . . 154
Matsuda, I., s. Higashi, A., et al. . . . 237
Matsuura, N., s. Abe, K., et al. . . . 176
Menzel, H., s. Steiner, G., et al. . . . 138
Merzbach, D., s. Naor, N., et al. . . . 166
Metoki, K., s. Satoh, T., et al. . . . 324
Mitsuoka, T., s. Satoh, T., et al. . . . 324
Miyata, H., s. Yoshioka, K., et al. . . . 46
Mizuno, S., s. Yoshioka, K., et al. . . . 46
Moerman, Ph., s. Devlieger, H., et al. . . . 113
Mrongovius, R., Imbeck, H., Wille, L., Müller, H., Seyberth, H. W.: Variability of Serum Indomethacin Concentrations After Oral and Intravenous Administration to Preterm Infants . . . 151
Mücke, J., s. Sandig, K. R., et al. . . . 254
Müller, H., s. Mrongovius, R., et al. . . . 151
Naor, N., Blumenfeld, Z., Merzbach, D., Timor-Trisch, I., Zeltzer, M.: Prevalence of Group B Streptococci in Parturient Mothers and Their Infants . . . 166
Narisawa, K., s. Satoh, T., et al. . . . 324
Nász, I., s. Fekete, G., et al. . . . 59
Niederwieser, A., Curtius, H.-Ch., Wang, M., Leupold, D.: Atypical Phenylketonuria with Defective Biopterin Metabolism. Monotherapy with Tetrahydrobiopterin or Sepiapterin, Screening and Study of Biosynthesis in Man . . . 110
Nohara, Y., s. Abe, K., et al. . . . 176
Ohnesorge, F. K., s. Steiner, G., et al. . . . 138
Okae, J., s. Dunger, D. B., et al. . . . 226
Or, A., s. Ashkenazi, A., et al. . . . 250
Otten, A., s. Stöß, H., et al. . . . 120
Pampiglione, G., s. Schauseil-Zipf, U., et al. . . . 154
Paschke, E., s. Gatti, R., et al. . . . 168
Perheentupa, J., s. Lenko, H. L., et al. . . . 241
Pesch, H.-J., s. Stöß, H., et al. . . . 120
Pfeiffer, K. P., s. Haidmayer, R., et al. . . . 145
Pfeiffer, R. A.: The Oto-Onycho-Peroneal Syndrome. A Probably New Genetic Entity . . . 317
Pichler, E., Jürgenssen, O. A., Balzar, E., Pinggera, W. F., Wolf, A., Wagner, O., Reinartz, G., Czembirek, H., Syre, G.: Massive Bilateral Nephroblastomatosis in a 13-Year-Old Girl . . . 231
Pinggera, W. F., s. Pichler, E., et al. . . . 231
Pontz, B., s. Stöß, H., et al. . . . 120
Potthoff, S., s. Reinhardt, D., et al. . . . 49
Prader, A., s. Sorgo, W., et al. . . . 38

Preece, M. A., s. Dunger, D. B., et al. 226
Puttonen, E., s. Rebien, W., et al. 341
Rebien, W., Puttonen, E., Maasch, H. J., Stix, E., Wahn, U.: Clinical and Immunological Response to Oral and Subcutaneous Immunotherapy with Grass Pollen Extracts. A Prospective Study 341
Reinartz, G., s. Pichler, E., et al. 231
Reinhardt, D., Richter, O., Genz, T., Potthoff, S.: Kinetics of the Translactal Passage of Digoxin from Breast Feeding Mothers to Their Infants 49
Richter, O., s. Reinhardt, D., et al. 49
Riehm, H., s. Kunze, J. 301
Rossi, E., s. Kraemer, R., et al. 172
Rüdeberg, A., s. Kraemer, R., et al. 172
Sack, J., Bar-On, Z., Shemesh, J., Becker, R.: Serum T4, T3 and TBG Concentrations During Puberty in Males 136
Sadeghi-Nejad, A., s. Wolfsdorf, J. I., et al. 28, 141
Sandhage, K., s. Bernuth, G. von, et al. 206
Sandig, K. R., Mücke, J., Trautmann, U.: The Partial 4q Monosomy. Report of a 5-year-old Boy with Deletion of 4q31.3→4qter 254
Sanna, G., s. Gatti, R., et al. 168
Satoh, T., Narisawa, K., Konno, T., Katoh, T., Fujiyama, J., Tomoe, A., Metoki, K., Hayasaka, K., Tada, K., Ishibashi, M., Yamane, N., Mitsuoka, T., Benno, Y.: D-lactic Acidosis in Two Patients with Short Bowel Syndrome: Bacteriological Analyses of the Fecal Flora 324
Schaad, U. B., s. Kraemer, R., et al. 172
Schauseil-Zipf, U., Harden, A., Hoare, R. D., Lyen, K. R., Lingam, S., Marshall, W. C., Pampiglione, G.: Early Diagnosis of Herpes Simplex Encephalitis in Childhood. Clinical, Neurophysiological and Neuroradiological Studies 154
Schmaltz, A. A., Apitz, J., Hort, W.: Endomyocardial Biopsy in Infants and Children: Technique; Indications and Results . 211
Schmaltz, A. A., s. Bernuth, G. von, et al. 206
Schmidt-Redemann, B., s. Bernuth, G. von, et al. 206
Schneider, Ch., s. Jensen, M., et al. 311
Schoorl, M., s. Frankenhuis, M. T., et al. 26
Schretlen, E. D. A. M., s. Hamel, B. C. J. 130
Schuler, D., s. Fekete, G., et al. 59
Schwarz, S., s. Beck, W., et al. 216
Senior, B., s. Wolfsdorf, J. I., et al. 28, 141
Seyberth, H. W., s. Mrongovius, R., et al. 151
Sferlazzas, C., s. De Luca, F., et al. 327
Shemesh, J., s. Sack, J., et al. 136
Shrivastava, S., s. Subramanyam, R., et al. 307
Similä, S., s. Finni, K., et al. 53
Simpson, R. M., s. Zaglul, H., et al. 315
Snoeys, R., s. Devlieger, H., et al. 113
Sorgo, W., Zachmann, M., Tassinari, D., Fernandez, F., Prader, A.: Longitudinal Anthropometric Measurements in Patients with Growth Hormone Deficiency. Effect of Human Growth Hormone Treatment 38
Spranger, J., s. Stöß, H., et al. 120
Stanescu, R., s. Stanescu, V., et al. 221
Stanescu, V., Maroteaux, P., Stanescu, R.: The Biochemical Defect of Pseudoachondroplasia 221
Steiner, G., Menzel, H., Lombeck, I., Ohnesorge, F. K., Bremer, H. J.: Plasma Glutathione Peroxidase After Selenium Supplementation in Patients with Reduced Selenium State 138
Sterzel, U., s. Goecke, T., et al. 338
Stix, E., s. Rebien, W., et al. 341
Stöß, H., Pesch, H.-J., Pontz, B., Otten, A., Spranger, J.: Wolcott-Rallison Syndrome: Diabetes mellitus and Spondyloepiphyseal Dysplasia 120
Stubbe, P., s. Beck, W., et al. 216
Subramanyam, R., Tandon, R., Shrivastava, S.: Hemodynamic Effects of Sodium Nitroprusside in Patients with Ventricular Septal Defect 307
Suda, T., s. Kano, K. 162
Syre, G., s. Pichler, E., et al. 231
Tada, K., s. Satoh, T., et al. 324
Tandon, R., s. Subramanyam, R., et al. 307
Tassinari, D., s. Sorgo, W., et al. 38
Teller, W. M., s. Vetter, U., et al. 63
Timor-Trisch, I., s. Naor, N., et al. 166
Töllner, U.: Early Diagnosis of Septicemia in the Newborn. Clinical Studies and Sepsis Score 331
Tomoe, A., s. Satoh, T., et al. 324
Trautmann, U., s. Sandig, K. R., et al. 254
Trimarchi, F., s. De Luca, F., et al. 327
Uehara, I., s. Higashi, A., et al. 237
Välimäki, I. A. T., s. Korvenranta, H. J., et al. 297
Vetter, U., Heinze, E., Kohne, E., Teller, W. M., Kleihauer, E.: Relation Between the Degree of Initial Metabolic Decompensation and the Duration of the Remission Phase in Type I Diabetes mellitus 63
Wagner, O., s. Pichler, E., et al. 231
Wahn, U., s. Rebien, W., et al. 341
Walther, J.-U., s. Jensen, M., et al. 311
Wang, M., s. Niederwieser, A., et al. 110
Weber, H., s. Bernuth, G. von, et al. 206
Weiner, C., s. Bernuth, G. von, et al. 206
Wendel, U., s. Kohlschütter, A., et al. 32
Wendel, U., Langenbeck, U., Lombeck, I., Bremer, H. J.: Exchange Transfusion in Acute Episodes of Maple Syrup Urine Disease. Studies on Branched-Chain Amino and Keto Acids 293
Wensing, C. J. G., s. Frankenhuis, M. T., et al. 26
Wiegerinck, M. A. H. M., s. Frankenhuis, M. T., et al. 26
Wille, L., s. Mrongovius, R., et al. 151
Wolf, A., s. Pichler, E., et al. 231
Wolfsdorf, J. I., Sadeghi-Nejad, A., Senior, B.: Hypoalaninemia and Ketotic Hypoglycemia: Cause or Consequence? . . . 28
Wolfsdorf, J. I., Sadeghi-Nejad, A., Senior, B.: Fat-derived Fuels During a 24-Hour Fast in Children 141
Wyndaele, L., s. Devlieger, H., et al. 113
Yamane, N., s. Satoh, T., et al. 324
Yoshioka, K., Mizuno, S., Miyata, H., Maki, S.: Distinction Between Fibrinogen and Fibrin Degradation Products Produced During Disseminated Intravascular Coagulation in Childhood 46
Zachmann, M., s. Sorgo, W., et al. 38
Zaglul, H., Carswell, F., Simpson, R. M.: A Case of Persistent Pulmonary Functional Abnormalities in Systemic-onset Juvenile Chronic Polyarthritis 315
Zeltzer, M., s. Naor, N., et al. 166
Zimmermann, Hj.: Progressive Interstitial Pulmonary Lobar Emphysema 258

Short Communications

Abend, M., Hochberg, Z., Borochowitz, Z., Berger, A.: Low-dose Continuous Intravenous Infusion of Insulin on the First Day of Life in a Diabetic Ketoacidotic Newborn 345
Berger, A., s. Abend, M., et al. 345
Borochowitz, Z., s. Abend, M., et al. 345
Grisolia, S., s. O'Connor, J. E., et al. 186
Hochberg, Z., s. Abend, M., et al. 345
O'Connor, J. E., Ribelles, M., Grisolia, S.: Potentiation of Hyperammonemia by Sodium Benzoate in Animals. A Note of Caution 186
Ribelles, M., s. O'Connor, J. E., et al. 186

Case Reports

Abe, J., s. Ono, J., et al. 265
Aggett, P. J., s. Porter, F. N., et al. 277
Aldenhoff, P., s. Henze, G., et al. 263
Baier, W., s. Kruse, K., et al. 280
Barratt, T. M., s. Greenwood, M. C., et al. 346
Bartlett, K., s. Beemer, F. A., et al. 351

Bartram, C. R., Henke, J., Treuner, J., Basler, M., Esch, A., Mortier, W.: Subacute Sclerosing Panencephalitis in a Brother and Sister. Therapeutic Trial of Fibroblast Interferon 187
Basler, M., s. Bartram, C. R., et al. 187
Bat-Miriam Katznelson, M., s. Keren, G., et al. 273
Beemer, F. A., Bartlett, K., Duran, M., Ghneim, H. K., Wadman, S. K., Bruinvis, L., Ketting, D.: Isolated Biotin-resistant 3-Methylcrotonyl-CoA Carboxylase Deficiency in Two Sibs 351
Blanco, A., s. Palencia, R., et al. 349
Booth, I. W., Chrystie, I. L., Levinsky, R. J., Marshall, W. C., Pincott, J., Harries, J. T.: Protracted Diarrhoea, Immunodeficiency and Viruses 271
Bottone, E., Macchia, P., Consolini, R.: Acute Lymphoblastic Leukemia First Appearing as Hypereosinophilia 85
Braga, S., Schmidt, A.: Clinical and Cytogenetic Spectrum of Duplication 3p 195
Bruinvis, L., s. Beemer, F. A., et al. 351

Chaki, R., s. Keren, G., et al. 273
Chrystie, I. L., s. Booth, I. W., et al. 271
Consolini, R., s. Bottone, E., et al. 85

Dillon, M. J., s. Greenwood, M. C., et al. 346
Dodion, J., s. Regemorter, N. Van, et al. 77
DuBrow, I. W., s. Fisher, E., et al. 282
Duran, M., s. Beemer, F. A., et al. 351

Esch, A., s. Bartram, C. R., et al. 187

Fisher, E., Weiss, E. B., Michals, K., DuBrow, I. W., Hastrieter, A. R., Matalon, R.: Spontaneous Chylothorax in Noonan's Syndrome 282
Futagi, Y., s. Ono, J., et al. 265

Ghneim, H. K., s. Beemer, F. A., et al. 351
Goldman, B., s. Keren, G., et al. 273
Greenwood, M. C., Dillon, M. J., Simmonds, H. A., Barratt, T. M., Pincott, J. R., Metreweli, C.: Renal Failure due to 2,8-Dihydroxyadenine Urolithiasis 346
Grosse, G., s. Henze, G., et al. 263

Harms, E., s. Manz, F., et al. 354
Harries, J. T., s. Booth, I. W., et al. 271
Hashimoto, S., s. Ono, J., et al. 265
Hastrieter, A. R., s. Fisher, E., et al. 282
Hatano, S., s. Sakano, T., et al. 357
Haumont, D., s. Regemorter, N. Van, et al. 77
Heidemann, P. H., Stubbe, P., Schürnbrand, P., Prindull, G.: Iodine-Induced Hypothyroidism and Goiter Following Lipiodol™ Lymphography 82
Henke, J., s. Bartram, C. R., et al. 187
Henze, G., Aldenhoff, P., Stephani, U., Grosse, G., Kazner, E., Staib, F.: Successful Treatment of Pulmonary and Cerebral Aspergillosis in an Immunosuppressed Child 263
Hermoso, F., s. Palencia, R., et al. 349
Horne, C. H. W., s. Porter, F. N., et al. 277
Hoshino, A., s. Yamashiro, Y., et al. 193

Ishihara, Y., Miyaji, T., Watanabe, T., Nasu, K., Ohno, H., Todoroki, T.: Carcinoma of the Gallbladder Associated with Gallstones in a 15 Year-old Girl 275

Jeanty, Ph., s. Regemorter, N. Van, et al. 77
Kazner, E., s. Henze, G., et al. 263
Keren, G., Chaki, R., Bat-Miriam Katznelson, M., Goldman, B.: The Trisomy 4p Syndrome: A Case Report 273
Ketting, D., s. Beemer, F. A., et al. 351
Kirkpatrick, C., s. Regemorter, N. Van, et al. 77
Kobayashi, K., s. Shinohara, T., et al. 191
Kruse, K., Scheunemann, W., Baier, W., Schaub, J.: Hypocalcemic Myopathy in Idiopathic Hypoparathyroidism 280

Lausecker, Ch., s. Stoll, C., et al. 80
Levinsky, R. J., s. Booth, I. W., et al. 271
Lutz, P., s. Manz, F., et al. 354

Macchia, P., s. Bottone, E., et al. 85
Manz, F., Harms, E., Lutz, P., Waldherr, R., Schärer, K.: Adolescent Cystinosis: Renal Function and Morphology 354
Marshall, W. C., s. Booth, I. W., et al. 271
Matalon, R., s. Fisher, E., et al. 282
Metreweli, C., s. Greenwood, M. C., et al. 346
Michals, K., s. Fisher, E., et al. 282
Milaire, J., s. Regemorter, N. Van, et al. 77
Miyaji, T., s. Ishihara, Y., et al. 275
Miyamura, S., s. Shinohara, T., et al. 191
Mortier, W., s. Bartram, C. R., et al. 187

Nasu, K., s. Ishihara, Y., et al. 275
Nishi, Y., s. Sakano, T., et al. 357

Ohno, H., s. Ishihara, Y., et al. 275
Okada, S., s. Ono, J., et al. 265
Okuda, N., s. Sakano, T., et al. 357
Ono, J., Senba, E., Okada, S., Abe, J., Futagi, Y., Shimizu, H., Sugita, T., Hashimoto, S., Yabuuchi, H.: A Case Report of Congenital Hypomyelination 265
Østergaard, P. A.: Combined IgA and Alpha-1-Antitrypsin Deficiency in a Boy with Severe Respiratory Tract Infections and Asthma 83

Palencia, R., Hermoso, F., Blanco, A., Sanchez Villares, E.: Congenital and Hereditary Myasthenia 349
Pennerath, A., s. Stoll, C., et al. 80
Pincott, J. R., s. Greenwood, M. C., et al. 346
Pincott, J., s. Booth, I. W., et al. 271
Porter, F. N., Smail, P., Horne, C. H. W., Reid, T. M. S., Aggett, P. J.: Campylobacter Colitis in a Young Child 277
Prindull, G., s. Heidemann, P. H., et al. 82

Regemorter, N. Van, Haumont, D., Kirkpatrick, C., Viseur, P., Jeanty, Ph., Dodion, J., Milaire, J., Rooze, M., Rodesch, F.: Holt Oram Syndrome Mistaken for Thalidomide Embryopathy – Embryological Considerations 77
Reid, T. M. S., s. Porter, F. N., et al. 277
Rodesch, F., s. Regemorter, N. Van, et al. 77
Rooze, M., s. Regemorter, N. Van, et al. 77

Sakano, T., Okuda, N., Yoshimitsu, K., Hatano, S., Nishi, Y., Tanaka, T., Usui, T.: A Case of Menkes Syndrome with Cataracts 357
Sanchez Villares, E., s. Palencia, R., et al. 349
Sato, M., s. Yamashiro, Y., et al. 193
Schärer, K., s. Manz, F., et al. 354
Schaub, J., s. Kruse, K., et al. 280
Scheunemann, W., s. Kruse, K., et al. 280
Schmidt, A., s. Braga, S. 195
Schürnbrand, P., s. Heidemann, P. H., et al. 82
Senba, E., s. Ono, J., et al. 265
Shimizu, H., s. Ono, J., et al. 265
Shinohara, T., Miyamura, S., Suzuki, E., Kobayashi, K.: Congenital Microangiopathic Hemolytic Anemia: Report of a Japanese Girl 191
Simmonds, H. A., s. Greenwood, M. C., et al. 346
Smail, P., s. Porter, F. N., et al. 277
Staib, F., s. Henze, G., et al. 263
Stephani, U., s. Henze, G., et al. 263
Stoll, C., Pennerath, A., Lausecker, Ch.: A Case of Down's Syndrome Resulting from Mirror Duplication of Chromosome 21 80
Stubbe, P., s. Heidemann, P. H., et al. 82
Sugita, T., s. Ono, J., et al. 265
Suzuki, E., s. Shinohara, T., et al. 191

Tanaka, T., s. Sakano, T., et al. 357
Todoroki, T., s. Ishihara, Y., et al. 275
Treuner, J., s. Bartram, C. R., et al. 187

Usui, T., s. Sakano, T., et al. 357

Viseur, P., s. Regemorter, N. Van, et al. 77

Wadman, S. K., s. Beemer, F. A., et al. 351
Waldherr, R., s. Manz, F., et al. 354
Watanabe, T., s. Ishihara, Y., et al. 275
Weiss, E. B., s. Fisher, E., et al. 282
Wolff, C., Zabransky, S.: Hypophosphatasia Congenita Letalis 197

Yabuuchi, H., s. Ono, J., et al. 265
Yamashiro, Y., Sato, M., Hoshino, A.: Spontaneous Perforation of a Choledochal Cyst 193
Yoshimitsu, K., s. Sakano, T., et al. 357

Zabransky, S., s. Wolff, C. 197

Letters to the Editor

Bajoghli, M.: Gross Hematuria of Newborns and Infants Induced by Quinone and 8-Quinolinol (Mexaform®) 359

Hatvani, I., s. Lakatos, L., et al. 199

Jordá, A., Portolés, M.: Priority of Screening for Neonatal Hypothyroidism in Spain 359

Karmazsin, L., Lakatos, L., et al. 199

Lakatos, L., Hatvani, I., Oroszlán, Gy., Karmazsin, L.: Prevention of Retrolental Fibroplasia in Very Low Birth Weight Infants by D-Penicillamine 199
Laverda, E., s. Zanardo, V., et al. 360

Méhes, K., s. Szelid, Zs. 88
Mittiga, S., s. Zanardo, V., et al. 360

Oroszlán, Gy., s. Lakatos, L., et al. 199

Portolés, M., s. Jordá, A. 359
Previtera, C., s. Zanardo, V., et al. 360
Szelid, Zs., Méhes, K.: "Idiopathic" Hypercalciuria: A Renal Form in Inherited Cases and an Absorptive One in Sporadic Cases? 88

Zanardo, V., Laverda, E., Previtera, C., Mittiga, S.: Hydrometrocolpos, Congenital Heart Disease and Anomalies of Genitourinary Tract in a Female Twin 360

Abstracts
18th Workshop for Pediatric Research Göttingen, March 1982 . 89

Acknowledgement to Referees 100

Announcements 101, 200, 286, 361

Erratum 285

Indexed in Current Contents